

Appl. No. : 10/507,396
Filed : September 10, 2004

AMENDMENTS TO THE CLAIMS

1.- (Currently amended) A method for the manufacture of high concentration manganese minitabets for aluminum bath alloying which, having as its object the production of Mn minitabets or tablets with a concentration between 90 and 98 wt% of said metal, starting from a mixture of powdered Mn and Al, for the alloying of aluminum and other metal baths, which comprises ~~using grinding~~ electrolytic Mn ~~ground~~ from flakes of a chemical purity of 99.7 wt% or more, and Al powder atomized by mechanical means, with a controlled grain size distribution between 100 and 800 microns, and with over 80 wt% powder between 350 and 720 microns, while a check is made on the Mn grinding such that a content of fine Mn powder with a size of less than 100 microns, is not more than 15% by volume.

2.- (Previously presented) The method for the manufacture of high concentration manganese minitabets for aluminum bath alloying, according to claim 1, characterized in that the ground electrolytic Mn is subjected to a screening process with a sieve with a mesh of less than 450 microns.

3.- (Previously presented) The method for the manufacture of high concentration manganese minitabets for aluminum bath alloying, according to claim 1, characterized in that the level of the Mn and Al, mix in the corresponding compacting means monitored by respective sensors to keep this mix level between limits that assure the execution of the actual compacting.

4-5.- (Cancelled)